VOLUME 46

LIST OF CONTENTS

Number 1

Editorials

Walter O. Spitzer and **Alvan R. Feinstein** 1 An expanded Editorial Board

Earl P. Steinberg 3 Do optometrists see what ophthalmologists see when they look you in the eye?

Original Article

Dennis A. Revicki, Ruth E. Brown and **Marina A. Adler** 5 Patient outcomes with co-managed post-operative care after cataract surgery

Commentaries

David Salsburg 17 The use of statistical methods in the analysis of clinical studies

Halsted R. Holman 29 Qualitative inquiry in medical research

Original Articles

Eduardo L. Franco, Luciano L. Dib, Décio S. Pinto, Valéria Lombardo and **Hirde Contesini** 37 Race and gender influences on the survival of patients with mouth cancer

Anne Lamminpää, Vesa Riihimäki and **Jussi Vilska** 47 Hospitalizations due to poisonings in Finland

Hermann Brenner 57 Bias due to non-differential misclassification of polytomous confounders

Christa Zimmermann-Tansella, Stefano Donini, Umberto Galvan, Annalisa Rizzetto, Cesare Turrina, Orazio Siciliani and **Greg Wilkinson** 65 Social support, adversities and emotional distress in an Italian community sample

Karen Gerard, Matthew Dobson and **Jane Hall** 77 Framing and labelling effects in health descriptions: quality adjusted life years for treatment of breast cancer

David L. Simel, Gregory P. Samsa and **David B. Matchar** 85 Likelihood ratios for continuous test results—making the clinicians' job easier or harder?

Mary C. White 95 Mortality associated with nosocomial infections: analysis of multiple cause-of-death data

John P. Mullooly, William M. Wiest, Nancy J. Alexander, Merwyn R. Greenlick and **David L. Fulgham** 101 Vasectomy, serum assays, and coronary heart disease symptoms and risk factors

Letter to the Editors

J. Ivan Williams and **C. David Naylor** 111 Procrustean frameworks

PHARMACOEPIDEMIOLOGY REPORT

Kin-Wei A. Chan, Alexander M. Walker and **Robert A. Yood** 113 An equilibrium model of drug utilization

Number 2

Original Articles

Allan Donner and **Neil Klar** 123 Confidence interval construction for effect measures arising from cluster randomization trials

Yardena Siegman-Igra, Ron Rozin and Elisheva Simchen — 133 Determinants of wound infection in gastrointestinal operations: the Israeli Study of Surgical Infections

A. W. Sedgwick, D. W. Thomas and M. Davies — 141 Relationships between change in aerobic fitness and changes in blood pressure and plasma lipids in men and women: the "Adelaide 1000" 4-year follow up

Richard A. Washburn, Kevin W. Smith, Alan M. Jette and Carol A. Janney — 153 The Physical Activity Scale for the Elderly (PASE): development and evaluation

Rebecca DerSimonian, John Clemens, Robert Spirtas and Jeffrey Perlman — 163 Vasectomy and prostate cancer risk: methodological review of the evidence

Nain-Feng Chu, May Meei-Shyuan Lee, Dan-Jiang Wang, Li-Mei Chen and Shyh-Ming Shieh — 173 The reappraisal of the association of glycosylated hemoglobin A1c (HbA1c) and blood pressure: a hypertension and diabetes study in a Taiwan rural area

M. Heliövaara, A. Aromaa, T. Klaukka, P. Knekt, M. Joukamaa and O. Impivaara — 181 Reliability and validity of interview data on chronic diseases: the Mini-Finland Health Survey

Second Thoughts

Richard V. Lee — 193 China vignettes: medical homilies from a visiting professor's journal

J. K. Sont and J. P. Vandenbroucke — 199 Life expectancy and mitochondrial DNA. Do we inherit longevity from our mother's mitochondria?

Letters to the Editors

Peter J. Hannan — 203 Models for risk of low cholesterol

J. W. Frank, D. M. Reed, J. S. Grove and R. Benfante — 204 Response

Hermann Brenner — 205 Potential effects of non-differential underestimation of exposure

Paul H. Verkerk and Simone E. Buitendijk — 205 Response

Jacques Jamart — 206 Rejoinder: chance-corrected sensitivity and specificity for three-zone diagnostic tests

George A. Diamond — 207 "Work-up bias"

Bernard C. K. Choi — 208 Response

Petr Skrabanek — 209 Cholesterol and mortality

Tamara Harris, Jacob J. Feldman, Diane M. Makuc, Arthur G. Schatzkin and Walter H. Ettinger — 210 Response

Number 3

Original Articles

Elina Hemminki, Maili Malin and Päivi Topo — 211 Selection to postmenopausal therapy by women's characteristics

Gary Naglie, Michel Silberfeld, Keith O'Rourke, Bruce Fried, Wendy Corber, Claire Bombardier and Allan Detsky — 221 A randomized trial of a decisional aid for mental capacity assessments

Peter A. Singer and Alvan R. Feinstein — 231 Graphical display of categorical data

Uwe Feldmann — 237 Design and analysis of drug safety studies, with special reference to sporadic drug use and acute adverse reactions

Richard P. Donahue, Robert J. Goldberg, Zuoyao Chen, Joel M. Gore and Joseph S. Alpert — 245 The influence of sex and diabetes mellitus on survival following acute myocardial infarction: a community-wide perspective

Ingeborg van der Tweel, Paul A. H. van Noord and Rudolf Kaaks — 253 Application of a sequential *t*-test in a cohort nested case–control study with multiple controls per case

R. Adams Dudley, Frank E. Harrell Jr, L. Richard Smith, Daniel B. Mark, Robert M. Califf, David B. Pryor, Donald Glower, Joseph Lipscomb and Mark Hlatky 261 Comparison of analytic models for estimating the effect of clinical factors on the cost of coronary artery bypass graft surgery

S. J. O. Veldhuyzen van Zanten, K. M. A. J. Tytgat, P. T. Pollak, J. Goldie, R. L. Goodacre, R. H. Riddell and R. H. Hunt 273 Can severity of symptoms be used as an outcome measure in trials of non-ulcer dyspepsia and *Helicobacter pylori* associated gastritis?

Laura Fratiglioni, Anthony F. Jorm, Michaela Grut, Matti Viitanen, Karin Holmén, Anders Ahlbom and Bengt Winblad 281 Predicting dementia from the mini-mental state examination in an elderly population: the role of education

Brian Birmingham, Alan R. Dyer, Richard B. Shekelle and Jeremiah Stamler 289 Subscapular and triceps skinfold thicknesses, body mass index and cardiovascular risk factors in a cohort of middle-aged employed men

Ilkka Winblad 303 Comparison of the prevalence of disability in two birth cohorts at the age of 75 years and over

Second Thoughts

Rick Chappell and Laurence G. Branch 309 The Goldilocks dilemma in survey design and its solution

Letters to the Editors

Fidias E. Leon-S. 313 Instruments for neuroepidemiologic surveys

Francesca Meneghini, Walter A. Rocca and Dallas W. Anderson 313 Response

Comments to the Editors

David T. Felson and Jennifer J. Anderson 315 Critique of meta-analysis of second-line antirheumatic drugs

Peter C. Gøtzsche, Jan Pødenphant, Merete Olesen and Paul Halberg 319 Response

Number 4

Original Articles

Tom Greene and Claire B. Ernhart 323 Dentine lead and intelligence prior to school entry: a statistical sensitivity analysis

L. Joseph Melton III, Peter J. Dyck, Jeannine L. Karnes, Peter C. O'Brien and F. John Service 341 Non-response bias in studies of diabetic complications: the Rochester Diabetic Neuropathy Study

Michael S. Kramer, Susan M. Tange, Elaine L. Mills, Antonio Ciampi, Mark L. Bernstein and Keith N. Drummond 349 Role of the complete blood count in detecting occult focal bacterial infection in the young febrile child

Katsutoshi Takada, Yasutaka Ina, Masaharu Noda, Toshihide Sato, Masahiko Yamamoto and Munehiko Morishita 359 The clinical course and prognosis of patients with severe, moderate or mild sarcoidosis

Frank Buntinx, Hubert J. A. Schouten, J. André Knottnerus, Harry F. J. M. Crebolder and Gerard G. M. Essed 367 Interobserver variation in the assessment of the sampling quality of cervical smears

Collaborative Group on Heparin Prophylaxis in Surgery (S.E.P.E.C.), Jerta Pangrazzi, Maria B. Donati, Marilena Romero, Giovanna Scroccaro, Fabio Colombo, Emanuela Terzian and Gianni Tognoni 371 Is there still an avoidable fraction of post-operative thrombo-embolic complications with heparin prophylaxis? The results of a case–control surveillance

George R. Parkerson Jr, W. Eugene Broadhead and Chiu-Kit J. Tse 379 The Duke Severity of Illness Checklist (DUSOI) for measurement of severity and comorbidity

Second Thoughts

David L. Sackett and **C. David Naylor** 395 Should there be early publication of ancillary studies prior to the first primary report of an unblinded randomized clinical trial?

Letters to the Editors

Philippe Grandjean 403 Dentine lead and intelligence prior to school entry: a statistical sensitivity analysis

Tom Greene and **Claire B. Ernhart** 404 Response

Katharina Dalton 406 Epidemiology of premenstrual symptoms

S. Ramcharan, E. J. Love and **G. H. Fick** 407 Response

Martha Perske 408 Effects of passive smoking

P. N. Lee 409 Effects of passive smoking

Stanton A. Glantz and **William W. Parmley** 410 Response

Number 5

Original Articles

Ernest Harburg, Robert Gunn, Lillian Gleiberman, Wayne DiFranceisco and **Anthony Schork** 413 Psychosocial factors, alcohol use, and hangover signs among social drinkers: a reappraisal

Ted Byrt, Janet Bishop and **John B. Carlin** 423 Bias, prevalence and kappa

Alvin H. Rampey Jr, Kathleen L. Irwin, Mark W. Oberle, Steven Kinchen, Nancy C. Lee, Anne Marsden and **Luis Rosero-Bixby** 431 The effect of using different reference dates for control exposure measurement on relative risk estimates in a case–control study

Kathryn Magruder-Habib, Holly A. Stevens and **Wendy C. Alling** 435 Relative performance of the MAST, VAST, and CAGE versus DSM-III-R criteria for alcohol dependence

Deborah J. Moritz and **William A. Satariano** 443 Factors predicting stage of breast cancer at diagnosis in middle aged and elderly women: the role of living arrangements

Nicole Urban, Garnet L. Anderson and **Adelina Tseng** 455 Effects on response rates and costs of stamps vs business reply in a mail survey of physicians

F. G. Schellevis, E. van de Lisdonk, J. van der Velden, J. Th. M. van Eijk and **C. van Weel** 461 Validity of diagnoses of chronic diseases in general practice. The application of diagnostic criteria

F. G. Schellevis, J. van der Velden, E. van de Lisdonk, J. Th. M. van Eijk and **C. van Weel** 469 Comorbidity of chronic diseases in general practice

Aage Tverdal, Dag Thelle, Inger Stensvold, Paul Leren and **Kjell Bjartveit** 475 Mortality in relation to smoking history: 13 years' follow-up of 68,000 Norwegian men and women 35–49 years

Second Thoughts

Joseph Herman 489 Quandaries

Henry S. Kahn 491 Choosing an index for abdominal obesity: an opportunity for epidemiologic clarification

Erratum 495

Number 6

Original Articles

The Pulmonary Complications of HIV Infection Study Group 497 Design of a prospective study of the pulmonary complications of human immunodeficiency virus infection

Henrica C. W. de Vet, Alphons G. H. Kessels, Pieter Leffers and Paul G. Knipschild 509 A randomized trial about the perceived informativeness of new empirical evidence. Does beta-carotene prevent (cervical) cancer?

Carlos F. Mendes de Leon, Stanislav V. Kasl and Selby Jacobs 519 Widowhood and mortality risk in a community sample of the elderly: a prospective study

Deborah J. Cook, Gordon H. Guyatt, Elizabeth Juniper, Lauren Griffith, William McIlroy, Andrew Willan, Roman Jaeschke and Robert Epstein 529 Interviewer versus self-administered questionnaires in developing a disease-specific, health-related quality of life instrument for asthma

Sandra W. Roush, Jeffrey P. Krischer, Michael W. Cox and Brad H. Pollock 535 Socioeconomic and demographic factors that predict where children receive cancer care in Florida

Thomas L. Jones, C. H. Shih, David H. Thurston, Brendan J. Ware and Philip Cole 545 Selection bias from differential residential mobility as an explanation for associations of wire codes with childhood cancer

Matti Mäkelä, Markku Heliövaara, Kai Sievers, Paul Knekt, Jouni Maatela and Arpo Aromaa 549 Musculoskeletal disorders as determinants of disability in Finns aged 30 years or more

Steven J. Bowlin, Barbara D. Morrill, Anne N. Nafziger, Paul L. Jenkins, Carol Lewis and Thomas A. Pearson 561 Validity of cardiovascular disease risk factors assessed by telephone survey: the Behavioral Risk Factor Survey

Robert L. Williams, Jack H. Medalie, Stephen J. Zyzanski, Susan A. Flocke, Shlomit Yaari and Uri Goldbourt 573 Long term mortality of Nazi concentration camp survivors

Second Thoughts

Matthew S. Ellman and Alvan R. Feinstein 577 Clinical reasoning and the new "non-" nosology

PHARMACOEPIDEMIOLOGY REPORT

Judith D. Rubin, Charlotte Ferencz, Christopher Loffredo and the Baltimore–Washington Infant Study Group 581 Use of prescription and non-prescription drugs in pregnancy

Number 7

Variance and Dissent

Paul Froom and Jack Froom 591 Presentation: Deficiencies in structured medical abstracts

R. Brian Haynes 595 Dissent: More informative abstracts: current status and evaluation

Paul Froom and Jack Froom 599 Response: Response to commentary by R. B. Haynes on "Deficiencies in structured medical abstracts"

Original Articles

Giovanni Corrao, Sarino Aricò, Anna Raffaella Lepore, Marco Valenti, Pierfederico Torchio, Giovanni Galatola, Marco Tabone and Ferdinando di Orio 601 Amount and duration of alcohol intake as risk factors of symptomatic liver cirrhosis: a case–control study

Weihang Bao, Sathanur R. Srinivasan and Gerald S. Berenson 609 Tracking of serum apolipoproteins A-I and B in children and young adults: the Bogalusa Heart Study

Lisbeth Slunga, Kjell Asplund, Owe Johnson and Gösta H. Dahlén 619 Lipoprotein (a) in a randomly selected 25–64 year old population: the Northern Sweden MONICA study

Judith S. Currier, Tor D. Tosteson and Richard Platt 625 Cefazolin compared with cefoxitin for cesarean section prophylaxis: the use of a two-stage study design

Pirom Kamolratanakul, Bundit Chunhaswasdikul, Anucha Jittinandana, Viroj Tangcharoensathien, Nipon Udomrati and Somsak Akksilp 631 Cost-effectiveness analysis of three short-course anti-tuberculosis programmes compared with a standard regimen in Thailand

Michael Andersson, Knud Juel and **Hans H. Storm** 637 Pattern of mortality among Danish Thorotrast patients

Michael M. Ward and **J. Paul Leigh** 645 Pooled time series regression analysis in longitudinal studies

Birgitte Weile and **Peter A. Krasilnikoff** 661 Extremely low incidence rates of celiac disease in the Danish population of children

Letters to the Editors

George A. Diamond 665 True confessions

Stephen Senn 666 Response

Alvan R. Feinstein 667 Response

Ben Toth 667 Randomized clinical trials for retrolental fibroplasia

Robert M. Jacobson and **Alvan R. Feinstein** 668 Response

David L. Hahn 668 Regional variation in ischemic heart disease: a possible missing risk factor?

Rekha Garg 669 Response

PHARMACOEPIDEMIOLOGY REPORTS

R. Uppal, U. Sarkar, Cr. Giriyappanavar and **V. Kacker** 671 Antimicrobial drug use in primary health care

Patricia Tennis, Claire Bombardier, Edith Malcolm and **Winanne Downey** 675 Validity of rheumatoid arthritis diagnoses listed in the Saskatchewan hospital separations database

Patricia Tennis, Elizabeth Andrews, Claire Bombardier, Yonqhua Wang, Linda Strand, Roy West, Hugh Tilson and **Peggy Doi** 685 Record linkage to conduct an epidemiologic study on the association of rheumatoid arthritis and lymphoma in the province of Saskatchewan, Canada

Number 8

HEALTH STATUS OF AMERICAN MEN— A STUDY OF POST-VASECTOMY SEQUELAE

PREFACE ..... **V**

MEMBERS OF THE STUDY TEAM ..... **VII**

CHAPTER 1: HISTORICAL BACKGROUND AND OBJECTIVES OF STUDY
Ruth Crozier, Gerald S. Bernstein **697**

CHAPTER 2: STUDY DESIGN
William M. O'Fallon, Roger Detels, Gary H. Spivey, Anne H. Coulson **707**

CHAPTER 3: SOURCES OF VASECTOMIZED MEN
Leonard M. Schuman, Gerald S. Bernstein, Leonard T. Kurland **719**

CHAPTER 4: IDENTIFICATION OF NEIGHBORHOOD CONTROLS AND THE LOCATION AND RECRUITMENT OF ALL STUDY SUBJECTS
Jack S. Mandel, James J. Korelitz, William M. O'Fallon **725**

CHAPTER 5: THE QUESTIONNAIRE
Anne H. Coulson, Gerald S. Bernstein, William M. O'Fallon, Leonard M. Schuman **733**

CHAPTER 6: DATA COLLECTION
James J. Korelitz, Jack Mandel, William M. O'Fallon 741

CHAPTER 7: MEDICAL ENDPOINTS
Douglas D. McGregor, Robert B. Benjamin, Heinz W. Berendes, Gerald S. Bernstein, Anne H. Coulson, Ruth Crozier, Richard F. Emslander, Jose Quiroga, Stanwood Schmidt, Leonard M. Schuman, Timothy Sullivan 753

CHAPTER 8: VALIDATION OF DISEASES
Jose Quiroga, Gary H. Spivey, Leonard M. Schuman, Richard F. Emslander 769

CHAPTER 9: RISK FACTORS
Anne H. Coulson, Heinz W. Berendes, Douglas D. McGregor, Robert M. Nakamura 791

CHAPTER 10: DATA MANAGEMENT
Anne H. Coulson, Ann Sprowls, Elizabeth M. Sloss 797

CHAPTER 11: ASSESSMENT OF SUCCESS IN DATA COLLECTION
Anne H. Coulson 805

CHAPTER 12: STUDY COHORTS
Potter C. Chang, Gary H. Spivey, Jack S. Mandel 811

CHAPTER 13: WITHIN-PAIR AGREEMENT
Potter C. Chang, Jack S. Mandel, Gary H. Spivey 827

CHAPTER 14: METHODS OF ANALYSIS
William M. O'Fallon, Frank J. Massey, Jr., James W. Sayre 837

CHAPTER 15: RESULTS
Anne H. Coulson, Ruth Crozier, Frank J. Massey, Jr., William M. O'Fallon, Leonard M. Schuman, Gary H. Spivey 857

CHAPTER 16: DISCUSSION AND CONCLUSIONS
Frank J. Massey, Jr., Gerald S. Bernstein, William M. O'Fallon, Leonard M. Schuman 921

APPENDIX TO CHAPTER 5 927

Number 9

Editorial

Alvan R. Feinstein — III — A move from Montreal to Potsdam

Original Articles

Jacek A. Kopec, Michal Abrahamowicz and John M. Esdaile — 959 — Randomized discontinuation trials: utility and efficiency

N. Andrieu, F. Clavel, A. Auquier, M. G. Lê, B. Gairard, L. Piana, A. Brémond, J. Lansac, R. Flamant and R. Renaud — 973 — Variations in the risk of breast cancer associated with a family history of breast cancer according to age at onset and reproductive factors

Sarah McCue Horwitz, Ralph I. Horwitz and Hal Morgenstern — 981 — Maternal employment, maternal care and pediatric visits for minor acute illnesses

Andrew D. Oxman, Gordon H. Guyatt, Deborah J. Cook, Roman Jaeschke, Nancy Heddle and Jana Keller — 987 An index of scientific quality for health reports in the lay press

Steven S. Coughlin, George W. Comstock and Kenneth L. Baughman — 1003 Descriptive epidemiology of idiopathic dilated cardiomyopathy in Washington County, Maryland, 1975–1991

Christine M. Friedenreich, Geoffrey R. Howe and Anthony B. Miller — 1009 Recall bias in the association of micronutrient intake and breast cancer

Michael E. Hyland — 1019 The validity of health assessments: resolving some recent differences

William O. Williford, William F. Krol and Gordon P. Buzby — 1025 Comparison of eligible randomized patients with two groups of ineligible patients: can the results of the VA Total Parenteral Nutrition Clinical Trial be generalized?

Benjamin Mozes, David Milatiner, Colin Block, Zvia Blumstein and Hillel Halkin — 1035 Inconsistency of a model aimed at predicting bacteremia in hospitalized patients

Gary E. Swan, Marcia M. Ward, Dorit Carmelli and Lisa M. Jack — 1041 Differential rates of relapse in subgroups of male and female smokers

Patrick Graham and Rodney Jackson — 1055 The analysis of ordinal agreement data: beyond weighted kappa

S. Neilson and I. Robinson — 1063 Reinterpreting mortality statistics: some uses of Gompertzian analysis in epidemiological research

Second Thoughts

Howard Tandeter, Sody Namir and Joseph Herman — 1071 Pride and prejudice: the case of streptococcal pharyngitis and the WBC

Number 10

Variance and Dissent

Patrick S. Romano, Leslie L. Roos and James G. Jollis — 1075 Presentation: Adapting a clinical comorbidity index for use with ICD-9-CM administrative data: differing perspectives

Richard A. Deyo — 1081 Dissent: Adapting a clinical comorbidity index for use with ICD-9-CM administrative data: a response

Mary E. Charlson — 1083 Dissent: Adapting a clinical comorbidity index for use with ICD-9-CM administrative data: a response

Patrick S. Romano, Leslie L. Roos and James G. Jollis — 1085 Response: Further evidence concerning the use of a clinical comorbidity index with ICD-9-CM administrative data

Commentary

Mark S. Lachs — 1091 The more things change ...

Original Articles

Albert L. Siu, Joseph G. Ouslander, Daniel Osterweil, David B. Reuben and Ron D. Hays — 1093 Change in self-reported functioning in older persons entering a residential care facility

Guy B. Marks, Stewart M. Dunn and Ann J. Woolcock — 1103 An evaluation of an asthma quality of life questionnaire as a measure of change in adults with asthma

Kenneth Rockwood, Paul Stolee and Roy A. Fox — 1113 Use of goal attainment scaling in measuring clinically important change in the frail elderly

Timo A. Lakka and Jukka T. Salonen — 1119 Moderate to high intensity conditioning leisure time physical activity and high cardiorespiratory fitness are associated with reduced plasma fibrinogen in eastern Finnish men

Lisa F. Berkman, Teresa E. Seeman, Marilyn Albert, Dan Blazer, Robert Kahn, Richard Mohs, Caleb Finch, Edward Schneider, Carl Cotman, Gerald McClearn, John Nesselroade, David Featherman, Norman Garmezy, Guy McKhann, Gilbert Brim, Denis Prager and John Rowe — 1129 High, usual and impaired functioning in community-dwelling older men and women: findings from the MacArthur Foundation Research Network on Successful Aging

Paula Diehr, Thomas Koepsell, Allen Cheadle, Bruce M. Psaty, Edward Wagner and Susan Curry — 1141 Do communities differ in health behaviors?

Miltiadis A. Stefadouros — 1151 A new system of visual presentation of analysis of test performance: the "double-ring" diagram

John R. Roeback, John R. Cook, Harry A. Guess and Joseph F. Heyse — 1159 Time-dependent variability in repeated measurements of cholesterol levels: clinical implications for risk misclassification and intervention monitoring

G. Pérez, J. Marrugat, J. Sala and the REGICOR Study Group — 1173 Myocardial infarction in Girona, Spain: attack rate, mortality rate and 28-day case fatality in 1988

Gregory C. Gray, Jeffery P. Struewing, Kenneth C. Hyams, Joel Escamilla, Alan K. Tupponce and Edward L. Kaplan — 1181 Interpreting a single antistreptolysin O test: a comparison of the "upper limit of normal" and likelihood ratio methods

Shi Wu Wen, Michael S. Kramer, John Hoey, James A. Hanley and Robert H. Usher — 1187 Terminal digit preference, random error, and bias in routine clinical measurement of blood pressure

Hermann Brenner, David A. Savitz and Olaf Gefeller — 1195 The effects of joint misclassification of exposure and disease on epidemiologic measures of association

Andrew N. Phillips and George Davey Smith — 1203 The design of prospective epidemiological studies: more subjects or better measurements?

M. Trevisan, E. Farinaro, V. Krogh, F. Jossa, D. Giumetti, G. Fusco, S. Panico, C. Mellone, S. Frascatore, A. Scottoni and M. Mancini — 1213 Baldness and coronary heart disease risk factors

Number 11

Variance and Dissent

Valerie A. Lawrence, Amiram Gafni and Kurt Kroenke — 1219 Presentation: Preoperative HIV testing: is it less expensive than universal precautions?

Amy C. Justice and Joseph T. King Jr — 1229 Dissent: The case for a full cost-benefit analysis of preoperative HIV screening

Valerie A. Lawrence, Amiram Gafni and Kurt Kroenke — 1233 Response: Evidence-based vs emotion-based medical decision-making: routine preoperative HIV testing vs universal precautions

Commentary

Joseph Herman and Jack Froom — 1237 Thrombolytic therapy in acute myocardial infarction: some reservations

Original Articles

Allison Tepper, L. Barbara Connally, Patricia Haltmeier, Emily Smith and Marie H. Sweeney — 1243 Knowledge of medical history information among proxy respondents for deceased study subjects

L. L-Y Lim, L. A. Valenti, J. C. Knapp, A. J. Dobson, R. Plotnikoff, N. Higginbotham and R. F. Heller — 1249 A self-administered quality-of-life questionnaire after acute myocardial infarction

Tomoko Shimakawa and Diane E. Bild — 1257 Relationship between hemoglobin and cardiovascular risk factors in young adults

Molly T. Vogt, Sidney K. Wolfson and **Lewis H. Kuller** 1267 Segmental arterial disease in the lower extremities: correlates of disease and relationship to mortality

Evelyn O. Talbott, Sandra A. Norman, Kathleen M. Baffone, Lewis H. Kuller, Erick K. Ishii, Bonnie R. Krampe and **Margaret S. Dunn** 1277 Selection of neighborhood controls for a study of factors related to the diagnosis of cervical cancer

Second Thoughts

Jack E. Riggs 1289 Stone-age genes and modern lifestyle: evolutionary mismatch or differential survival bias

Roger P. Smith 1293 Statistically speaking

Letters to the Editors

David L. Simel 1295 Correction for likelihood-ratio formula

Martha Perske 1295 Identification of contributors

Stanton A. Glantz and **William W. Parmley** 1296 Response

PHARMACOEPIDEMIOLOGY REPORTS

Anne Elise Eggen 1297 The Tromsø study: frequency and predicting factors of analgesic drug use in a free-living population (12–56 years)

Marco Pahor, Jack M. Guralnik, Giovanni Gambassi, Roberto Bernabei, Luciana Carosella and **Pierugo Carbonin** 1305 The impact of age on risk of adverse drug reactions to digoxin

Kirsi Appelberg, Kalle Romanov, Marja-Liisa Honkasalo and **Markku Koskenvuo** 1315 The use of tranquilizers, hypnotics and analgesics among 18,592 Finnish adults: associations with recent interpersonal conflicts at work or with a spouse

Gaby Danan and **Christian Benichou** 1323 Causality assessment of adverse reactions to drugs—I. A novel method based on the conclusions of International Consensus Meetings: application to drug-induced liver injuries

Christian Benichou, Gaby Danan and **Antoine Flahault** 1331 Causality assessment of adverse reactions to drugs—II. An original model for validation of drug causality assessment methods: case reports with positive rechallenge

Number 12

Variance and Dissent

W. E. Stehbens 1337 Presentation: The quality of epidemiological data in coronary heart disease and atherosclerosis

Millicent Higgins and **Claude Lenfant** 1347 Dissent: "Consider what a long way you've come"—the White Queen to Alice

Allan D. Sniderman 1351 Dissent: What is truth said Pontius Pilate and would not wait for an answer: a biological reply to Dr Stehbens

W. E. Stehbens 1359 Response: The quality of epidemiological data of coronary heart disease and the lipid hypothesis of atherogenesis

Original Articles

James F. Jekel 1365 "Rainbow Reviews" VI: Recent publications of the National Center for Health Statistics

Veronica R. Collins, Gary K. Dowse, Paul Z. Zimmet, Jaakko Tuomilehto, K. George M. M. Alberti, Hassam Gareeboo and **Li Nan** 1373 Serum insulin and ECG abnormalities suggesting coronary heart disease in the populations of Mauritius and Nauru: cross-sectional and longitudinal associations

Francine M. Ducharme and **Michael S. Kramer** 1395 Relapse following emergency treatment for acute asthma: can it be predicted or prevented?

Barbara E. Ainsworth, Arthur S. Leon, Mark T. Richardson, David R. Jacobs and **R. S. Paffenbarger Jr** 1403 Accuracy of the College Alumnus Physical Activity Questionnaire

U. Anagnostopoulou, M. Toumbis, K. Konstantopoulos, V. Kotsovoulou-Fouskaki and **J. Zervas** 1413 HLA-A and -B antigens in chronic bronchitis

Francis Guillemin, Claire Bombardier and **Dorcas Beaton** 1417 Cross-cultural adaptation of health-related quality of life measures: literature review and proposed guidelines

Gordon H. Guyatt, D. Joan Eagle, Barbara Sackett, Andrew Willan, Lauren Griffith, William McIlroy, Christopher J. Patterson and **Irene Turpie** 1433 Measuring quality of life in the frail elderly

Second Thoughts

L. Kay, T. Jørgensen and **K. Schultz-Larsen** 1445 Colon related symptoms in a 70-year-old Danish population

Joseph Herman 1451 Retirement